L Number	Hits	Search Text	DB	Time stamp
-	50	kinugawa-hiroyuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 15:33
-	0	jp-14155713-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:09
-	5314	123/90.15-90.18,90.27,90.31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 16:51
-	1244	92/160,161.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:10
-	1	123/90.15-90.18,90.27,90.31.ccls. and 92/5L.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:11
-	0	92/160,161.ccls. and 92/5L.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:11
-	2	92/160,161.ccls. and 123/90.15-90.18,90.27,90.31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:13
-	2277	(rotor or rotary) same (lock or prevent$3 or fix$3) near2 rotat$3 with (bore or hole or cylinder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:16
-	19	123/90.15-90.18,90.27,90.31.ccls. and ((rotor or rotary) same (lock or prevent$3 or fix$3) near2 rotat$3 with (bore or hole or cylinder))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/31 14:16
-	214	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 15:34
-	73	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:22
-	2	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:26
-	5	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 464/160,161.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:26
-	399	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 pin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:21
-	227	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:27

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–	176	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:28
–	36	(((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:30
–	1	(((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:36
–	2	(((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 464/160,161.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:36
–	599	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$ near2 (mechanism or piston)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:27
–	593	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:28

| - | 525 | ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/01 17:28 |
| - | 557 | ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/01 17:29 |

| - | 489 | (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) not ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/01 17:29 |

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| - | 52 | ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) not ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/01 17:30 |

| | | 0 | (((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) not ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or (((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/01 17:36 |

–	5	((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) not ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or ((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.))) and 464/160,161.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:37
–	1748	123/90.17.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/01 17:38
–	3	5826552.URPN.	USPAT	2004/04/01 17:40
–	4	("4858572" | "5666914" | "5724929" | "5738056").PN.	USPAT	2004/04/01 17:41
–	1	osamu-komazawa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 09:48
–	81	komazawa-osamu.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 09:49

–	5	"5826552"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 10:10
–	4	("4858572" | "5666914" | "5724929" | "5738056").PN.	USPAT	2004/04/12 10:18
–	37	92/5L.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 15:28
–	739239	mitsubishi-$.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 15:33
–	50180	mitsubishi-$.as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 15:36
–	1236	(mitsubishi-$.as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop$3)) and (lock or pin or impeller or piston or stop$3) near3 (hole or cylinder or bore) with (slid$4 or side$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 16:09
–	130	((mitsubishi-$.as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop$3)) and (lock or pin or impeller or piston or stop$3) near3 (hole or cylinder or bore) with (slid$4 or side$3)) and (123/$ or 251/$ or 92/$ or 137/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 16:11
–	11641	(lock$3 or pin or impeller or piston or stop$3) near3 (hole or cylinder or bore) with (slid$4 or side$3 or axial$2) same (unlock$3 or releas$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 16:11
–	605	((lock$3 or pin or impeller or piston or stop$3) near3 (hole or cylinder or bore) with (slid$4 or side$3 or axial$2) same (unlock$3 or releas$3)) and (123/$ or 251/$ or 92/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/12 16:12

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